

From: (b)(6)
To: [McMillian LtGen Rex C](#); [Pratt BGen Helen G](#)
Cc: [Habel SES Gregg T](#); (b)(6) [Dana LtGen Michael G](#); [Whitman MajGen Burke W](#); [James BGen Bradley S](#); [Fahey BGen Michael F](#); (b)(6) [Stein BGen Kurt W](#); (b)(6) [Crenshaw MajGen Craig C](#)
Subject: RE: START YOUR ENGINES- RESULTS
Date: Friday, March 30, 2018 11:29:26 AM
Attachments: [ESG Master slide deck Feb 15 2018 V4-1.pdf](#)

Sir,

This was a topic discussed at USMC - DLA Executive Steering Group (ESG) in Feb; slides 46-48 of the attached.

- Data shows 50% or more of USMC armored vehicles have delaminated TA
- Health of Marine Corps transparent armor NSNs (at DLA)
 - 34 NSNs -Buffalo, Cougar, HMMWV, LVSr, M-ATV, and MTRV
 - 25 NSNs well
 - 9 NSNs with backorders –Get well Jan –Jun ‘18
 - Expect to clear 384 of 450 lines of backorder by end of Mar ‘18 (5 NSNs)
- Hardwire, LLC demonstrated that Transparent Armor (TA) can be successfully re-laminated
 - The remanufactured glass results in “like New” condition after re-lamination and, with frame refurbishment and proper re-potting into the frame, is expected to stay laminated for at least as long as current glass or longer. RIF extended to continue to test endurance.
 - Hardwire designed a scalable, exportable relamination production process

Future outlook:

- PEO LS solicitation for Hardwire to produce a pilot TA relamination production line
- Synopsis issued on FEDBIZOPS 10 July 2017; plan to award 2QFY18
- Establish a scalable Transparent Armor Re-Lamination pilot line that can process up to 1,000 pieces of De-Laminated TA per year of all sizes up to and including LVSr windshield

R/S,
(b)(6)

-----Original Message-----

From: McMillian LtGen Rex C
Sent: Thursday, March 29, 2018 7:48 PM
To: Pratt BGen Helen G <helen.pratt@usmc.mil>
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Subject: Re: START YOUR ENGINES- RESULTS

Helen,
Thanks --- appreciate MLG taking this on.

Next Q: how many vehicles are deadline for de laminated windshields? Have been visiting Div units ---- we have

definite problem with this commodity that is keeping our readiness down.

(b)(6) - what is the fix? Marines are getting delam problems after only 18 months on a vehicle. They are also receiving windshields shipped to them that are delam in the shipping crate.

This is unsat - waste of \$\$/time/readiness.

Thx

Sf

RM

Sent from my BlackBerry 10 smartphone.

Original Message

From: Pratt BGen Helen G

Sent: Thursday, March 29, 2018 5:54 PM

To: McMillian LtGen Rex C

Cc: Habel SES Gregg T;

(b)(6)

(b)(6)

Subject: START YOUR ENGINES- RESULTS

General,

We are mission complete on the Start Your Engines message of 2 Feb. As a result of the evolution, 4th MLG identified (52) pieces of rolling stock as deadlined. The primary cause of the additional deadline assets was dead batteries (30 of 52). Units have been directed to open service requests and order parts for those items identified NLT this week.

This evolution has served as a valuable training event for 4th MLG units and has highlighted the importance of routine maintenance, especially regular vehicle start-ups. Identifying these issues now will allow 4th MLG to take corrective action in time to have a positive impact on equipment readiness going into AT season.

Additionally, we stand ready to assist other MSC's with any overflow maintenance identified from their execution once all the service requests have been entered and appropriate actions taken in GCSS-MC.

Very respectfully,

Helen